What is claimed is:

1   1. A wide-angle, single focus lens comprising four lenses of negative, positive, negative, and

2   positive refractive power, in sequential order from the object side, wherein:

3   the first lens is concave on the object side;

4   the second lens has at least one surface that is aspheric;

5   the fourth lens is convex on the image side and has at least one of its surfaces aspheric;

6   and

7   the following conditions are satisfied

8                    $-2.0 < f / f_1 < -0.5$

9                    $0.5 < f / f_2 < 2.0$

10                   $0.5 < f / f_4 < 2.0$

11   where

12   f is the focal length of the wide-angle, single focus lens,

13   f_1 is the focal length of the first lens in order from the object side,

14   f_2 is the focal length of the second lens in order from the object side, and

15   f_4 is the focal length of the fourth lens, in order from the object side.

1   2. The wide-angle, single focus lens as described in Claim 1, wherein the first, third and fourth

2   lenses are each formed of a single lens element and the following conditions are also satisfied:

3            $N_d 1 < 1.65$

4            $N_d 3 > 1.70$

5          $N_d4 < 1.65$

6          $\nu_d3 < 50$

7          $\nu_d4 > 50$

8   where

9   N_d1 is the index of refraction, at the d line, of the first lens element,

10   N_d3 is the index of refraction, at the d line, of the third lens element,

11   N_d4 is the index of refraction, at the d line, of the fourth lens element,

12   ν_d3 is the Abbe number, at the d line, of the third lens element , and

13   ν_d4 is the Abbe number, at the d line, of the fourth lens element.

3. A wide-angle, single focus lens comprising four lenses of negative, positive, negative, and positive refractive power, in sequential order from the object side, wherein:

          the first lens in order from the object side is concave on the object side;

          the second lens in order from the object side has at least one surface that is aspheric; and

5   the fourth lens in order from the object side is convex on the image side and has at least

6   one surface that is aspheric.

1   4. The wide-angle, single focus lens as described in Claim 3, wherein the following condition is

2   satisfied:

3          $-2.0 < f / f_1 < -0.5$

4   where

5   f is the focal length of the wide-angle, single focus lens, and

6   f_1 is the focal length of the first lens in order from the object side.

1   5. The wide-angle, single focus lens as described in Claim 3, wherein the following condition is

2   satisfied:

3          $0.5 < f / f_2 < 2.0$

4   where

5   f is the focal length of the wide-angle, single focus lens, and

6   f_2 is the focal length of the second lens in order from the object side.

6. The wide-angle, single focus lens as described in Claim 3, wherein the following condition is

satisfied:

        $0.5 < f / f_4 < 2.0$

    where

5   f is the focal length of the wide-angle, single focus lens, and

6   f_4 is the focal length of the fourth lens in order from the object side.